

## AMENDMENTS

### IN THE SPECIFICATION:

Please replace the paragraph on page 8, lines 7 to 28 with the following amended paragraph:

The present invention relates to a method of producing embryos by nuclear transplantation from embryonic, germinal and somatic cells lines. Nuclear transfer procedures have invariably initiated with the enucleation of host oocyte. The enucleation procedure is followed by one of the following: (a) activation followed by fusion; (b) concurrent activation and fusion; or (c) fusion followed by activation. Whereas the procedure in which oocytes are (a) enucleated, activated and then fused is used mostly for embryonic blastomeres, most techniques applied for further differentiated donor nuclei use the procedure where oocytes are (a) enucleated, (b) fused and activated concurrently or (c) fused and later activated. Although the different steps in the nuclear transfer procedure have been described previously (U.S. Patent No. 4,9994,384; U.S. Patent No. 5,057,420; U.S. Patent No. 5,843,754 and patent applications publications Nos. ~~PCT/GB96/02098~~ ~~WO97/07668~~, ~~PCT/US98/00002~~—~~WO98/30683~~, ~~PCT/US98/12800~~—~~WO99/01163~~, ~~PCT/US98/12806~~—~~WO99/01164~~, and ~~PCT/US97/12919~~—~~WO98/07841~~, this invention describes a sequence of steps in the nuclear transfer procedure that is novel (Fig. 1).